

Sub
a1
J1

with the first cutting surfaces, the first cutting cylinder having a first nipping surface extending upstream and downstream from the at least one of the first cutting surfaces, the first nipping surface interacting with the first anvil cylinder to provide a first nip for the web; and

a second cutting and nipping device downstream of the first cutting and nipping device for cutting the web between the first cuts so as to form signatures, the second cutting and nipping device having a second cutting cylinder and a second anvil cylinder for providing a second nip for the web.

J2

3. (Twice amended) The folder as recited in claim 1 wherein the second cutting cylinder has at least one segmented cutting element with cutting edges spaced apart axially, the second cutting cylinder having a second nipping cylinder surface extending circumferentially with respect to the cutting edges.

J3

5. (Once amended) The folder as recited in claim 1 wherein the first anvil cylinder has a urethane outer coating.

6. (Once amended) The folder as recited in claim 1 wherein the first cutting cylinder has a urethane outer coating, the first cutting surfaces extending radially beyond the urethane coating.

9. (Once amended) The folder as recited in claim 1 wherein the second cutting cylinder has two segmented cutting elements spaced 180 degrees apart.

J4

10. (Once amended) The folder as recited in claim 1 wherein the second anvil cylinder and the second cutting cylinder are indexable circumferentially with respect to one another.

11. (Once amended) The folder as recited in claim 10 wherein the second anvil cylinder has a continuous outer layer.

Sub
41 13. (Once amended) The folder as recited in claim 1 wherein center distances between the second anvil cylinder and the second cutting cylinder are adjustable.

25 14. (Once amended) The folder as recited in claim 1 wherein the second anvil cylinder and the second cutting cylinder are cantileverable.

15. (Once amended) The folder as recited in claim 1 wherein the second cutting cylinder has a hub and a segmented cutting element bolted to the hub.

26 17. (Once amended) The folder as recited in claim 1 wherein the second cutting cylinder has a second segmented cutting element having second cutting surfaces, the second cutting surfaces partially overlapping axially with respect to the first cuts.

Please add new claims 20 and 21:

27 20. (New) The folder as recited in claim 1 wherein the second cutting cylinder has axially-extending second cutting surfaces for forming second cuts in the web and for interacting with the second anvil cylinder, the second cutting cylinder having a second nipping surface extending upstream and downstream from the at least one of the second cutting surfaces, the second nipping surface interacting with the second anvil cylinder to provide a second nip for the web.

21. (New) The folder as recited in claim 1 wherein the first nipping surface extends upstream and downstream from each of the first cutting surfaces.

REMARKS

Claims 1, 3 to 9, 15 and 18 were rejected under 35 U.S.C. § 112, second paragraph.

Claims 1, 3, 4, 9 and 18 were rejected under 35 U.S.C. § 102(b) (claims 1, 3, 4 and 9